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(54) METHOD FOR RECOVERING BUTYLDIMETHYLCHLOROSILANE

(57)Abstract:

PURPOSE: To readily recover butyldimethylchlorosilane in high yield, having high steric selectivity in the medicinal industry, etc., considerably stable to various reagents, from t-butylpentamethyldisiloxane disposed as waste liquor currently.

CONSTITUTION: In recovering t-butylpentamethyldisiloxane as t-butyldimethylchlorosilane in a method for recovering t-butyldimethylchlorosilane, butylpentamethyldisiloxane is reacted with a chlorosilane compound of the formula R_1nSiCl_{4-n} (R_1 is monofunctional hydrocarbon group; (n) is 0, 1, 2 or 3) in the presence of (A) a tertiary amine, its salt or quaternary ammonium salt and (B) an acid as a catalyst to give t-butyldimethylchlorosilane. tert- Butyldimethylchlorosilane is thus recovered.

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